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Yields of the Field Experiments 1962



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62/W/C/6 Effect of K, Mg and Ca - Clover 4th Year

Rothamsted Research

Rothamsted Research (1963) 62/W/C/6 Effect of K, Mg and Ca - Clover 4th Year; Yields Of The Field Experiments 1962, pp 111 - 112 - DOI: https://doi.org/10.23637/ERADOC-1-164

62/C/6.1

CLOVER

K and Mg - Woburn Stackyard Series C 1962 the third year.

Design: 4 randomised blocks of 9 plots each.

Area of each plot: 0.0011 acres. Area harvested: 0.0005 acres.

Treatments. All combinations of:-

Mg: None; 29; 58 lb Mg per acre applied as kieserite.

K: None; 95; 190 lb K per acre (approximately 1; 2 cwt Ko per acre) applied as sulphate of potash.

Basal dressings per acre: 1.0 cwt Poo as triple superphosphate, 0.2 cwt N as ammonium nitrate in seedbed.

Cultivations, etc.: Magnesium-free calcium carbonate applied at 50 cwt per acre: Dec 13, 1961. Rotary cultivated: Mar 2, 1962. Magnesium-free calcium carbonate applied at 50 cwt per acre: Mar 9. Rotary cultivated: Mar 26. Rotary cultivated, treatments and basal dressings applied, seed sown at 30 lb per acre: Apr 12. Cut twice: Aug 16, Oct 5. Variety: Dorset Marl Red Clover.

Standard errors per plot. Clover dry matter

1st cut: 1.00 cwt per acre or 8.6% (24 d.f.)
2nd cut: 0.78 cwt per acre or 7.4% (24 d.f.)

2nd cut: 0.78 cwt per acre or 7.4% (24 d.f.)
Total of 2 cuts: 1.53 cwt per acre or 6.9% (24 d.f.)

Note: For details of the previous year's results see "Results of the Field Experiments" 60/Ci/3 and 61/C/7. No yields were taken from the similar experiment on Sawyers Rothamsted as the growth was poor.

62/0/6.2

Summary of Results

Clover, Dry matter: cwt per acre

K: 1b per acre	Mg: None	lb per a	cre 58	Mean	Mg: None	lb per ac	58	Mean
		1st (±0.50)	cut	(±0.29)		2nd (±0.39)	cut	(±0.21)
None 95 190	5.0 12.9 15.1	5.5 14.1 16.1	5.2 14.4 16.1	5.2 13.8 15.8	4.0 12.1 13.5	5•3 13•1 14•9	4.7 12.6 14.3	4.6 12.6 14.3
Mean	11.0	11.9 (±0.29)	11.9	11.5	9.9	11.1 (±0.21)	10.5	10.4

Total of 2 cuts

	1	(±0.44)			
None 95 190	9.0 25.0 28.7	10.8 27.1 31.0	9.8 27.0 30.4	9.9 26.4 30.0	
Mean	20.9	23.0 (±0.44)	22.4	22.0	

Mean dry matter % as cut: 1st cut 14.8 2nd cut 15.7 Total of 2 cuts 15.2